**Widening & Comprehensive Development of Singapura Garden Ro[illegible]ere Main Road (Precision Components Factory) to Shrinikethan Layo[illegible]t)**

Detailed Measurements

**Measurement Recorded On:** 11/3/2022 2/5/2022

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 20 | Providing and laying in possition plain cement concrete of mix 1:2:4 for sub-structure works like Culverts,retaining walls etc.,with cement@ 240 kgs, 40 mm & down size graded granite metal coarse aggreate @ 0.84 cum and fin aggregates @ 0.46cum machine mixed, with necessary scoffolding form work etc., including cost of labour, HOM curing etc., complete | | | | | | |
| | **Singapura Garden Road** | | | | | | |
| | **RCC Drain** | | | | | | |
| | **From SWD LHS** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.10 | | 0.15 | 4.95 |
| | Ch: 30.00m to 48.80m | 1 | 18.80 | 1.10 | | 0.15 | 3.10 |
| | Culvert link Gap | | | | | | |
| | Ch: 48.80m to 78.80m | 1 | 30.00 | 1.10 | | 0.15 | 4.95 |
| | Ch: 78.80m to 108.60m | 1 | 29.80 | 1.10 | | 0.15 | 4.92 |
| | Ch:108.60m to 138.60m | 1 | 30.00 | 1.10 | | 0.15 | 4.95 |
| | Ch: 138.60m to 168.60m | 1 | 30.00 | 1.10 | | 0.15 | 4.95 |
| | Ch: 168.60m to 198.60m | 1 | 30.00 | 1.10 | | 0.15 | 4.95 |
| | Ch: 198.60m to 216.70m | 1 | 18.10 | 1.10 | | 0.15 | 2.99 |
| | Culvert Gap | | | | | | |
| | Ch: 216.70m to 246.70m | 1 | 30.00 | 1.10 | | 0.15 | 4.95 |
| | Ch: 246.70m to 276.70m | 1 | 30.00 | 1.10 | | 0.15 | 4.95 |
| | Ch: 276.70m to 306.70m | 1 | 30.00 | 1.10 | | 0.15 | 4.95 |
| | Ch: 306.70m to 329.80m | 1 | 23.10 | 1.10 | | 0.15 | 3.81 |
| | Continued | | | | | | |
| | Ch: 329.80m to 332.90m | 1 | 3.10 | 1.10 | | 0.15 | 0.51 |
| | Ch: 332.90m to 351.30m | 1 | 18.40 | 1.10 | | 0.15 | 3.04 |
| | **RHS From End** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.10 | | 0.15 | 4.95 |
| | Ch: 30.00m to 52.30m | 1 | 22.30 | 1.10 | | 0.15 | 3.68 |
| | Ch: 52.30m to 54.00m | 1 | 1.70 | 1.10 | | 0.15 | 0.28 |
| | Ch: 54.00m to 82.70m | 1 | 28.70 | 1.10 | | 0.15 | 4.74 |
| | Ch: 82.70m to 94.40m | 1 | 11.70 | 1.10 | | 0.15 | 1.93 |
| | Ch: 94.40m to 104.10m | 1 | 9.70 | 1.10 | | 0.15 | 1.60 |
| | Ch: 104.10m to 115.80m | 1 | 11.70 | 1.10 | | 0.15 | 1.93 |
| | Ch: 115.80m to 129.30m | 1 | 13.50 | | | | |
| | Ch: 129.30m to 140.70m | 1 | 11.40 | 1.10 | | 0.15 | 1.88 |
| | Ch: 140.70m to 158.60m | 1 | 17.90 | 1.10 | | 0.15 | 2.95 |
| | **Culvert Gap** | | | | | | |
| | Ch: 158.60m to 186.30m | 1 | 27.70 | | | | |
| | **Culvert Gap** | | | | | | |
| | Ch: 186.30m to 202.10m | 1 | 15.80 | 1.10 | | 0.15 | 2.61 |

Executive Engineer
Roads Infrastructure, Dasarahalli Division
Bruhat Bengaluru Mahanagara Palike
Bengaluru- 04.

Contractor

Nez Infratech Pvt. Ltd.
Consultant

Asst.Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂ...
ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, (ದಾಸರಹಳ್ಳಿ ...
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬೆಂಗಳೂರು

Asst. Executive Engineer

Scanned with OKEN Scanner

| Item No | Discription of Item | No | Length | Breadth | | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: 202.10m to 217.00m | 1 | 14.90 | | | | | | |
| | **Culvert Gap** | | | | | | | | |
| | Ch: 217.00m to 247.00m | 1 | 30.00 | 1.10 | | | 0.15 | 4.95 | |
| | 247.00m to 255.70m | 1 | 8.70 | 1.10 | | | 0.15 | 1.44 | |
| | **Culvert Gap** | | | | | | | | |
| | 255.70m to 278.70m | 1 | 23.00 | 1.10 | | | 0.15 | 3.80 | |
| | **SWD to Main Road RHS** | | | | | | | | |
| | Ch: 0.00m to 7.80m | 1 | 7.80 | 1.10 | | | 0.15 | 1.29 | |
| | Culvert gap | | | | | | | | |
| | Ch: 7.80m to 37.80m | 1 | 30.00 | 1.10 | | | 0.15 | 4.95 | |
| | Ch: 37.80m to 43.80m | 1 | 6.00 | 1.10 | | | 0.15 | 0.99 | |
| | Culvert gap | | | | | | | | |
| | Ch: 43.80m to 73.80m | 1 | 30.00 | 1.10 | | | 0.15 | 4.95 | |
| | Ch: 73.80m to 102.80m | 1 | 29.00 | 1.10 | | | 0.15 | 4.79 | |
| | **SWD to Main Road LHS** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.10 | | | 0.15 | 4.95 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 1.10 | | | 0.15 | 4.95 | |
| | Ch: 60.00m to 90.00m | 1 | 30.00 | 1.10 | | | 0.15 | 4.95 | |
| | Ch: 90.00m to 101.00m | 1 | 11.00 | 1.10 | | | 0.15 | 1.82 | |
| | **School Gate** | | | | | | | | |
| | **LHS** | | | | | | | | C&R |
| | Ch: 0.00m to 11.60m | 1 | 11.60 | 0.80 | | | 0.15 | 1.39 | |
| | Ch: 11.60m to 38.80m | 1 | 27.20 | 0.80 | | | 0.15 | 3.26 | |
| | **RHS** | | | | | | | | |
| | Ch: 0.00m to 12.40m | 1 | 12.40 | 0.80 | | | 0.15 | 1.49 | |
| | Ch: 12.40m to 37.50m | 1 | 25.10 | 0.80 | | | 0.15 | 3.01 | |
| | **Athithi Café Opposite** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.10 | | | 0.15 | 4.95 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 1.10 | | | 0.15 | 4.95 | |
| | Ch: 60.00m to 90.00m | 1 | 30.00 | 1.10 | | | 0.15 | 4.95 | |
| | Ch: 90.00m to 103.00m | 1 | 13.00 | 1.10 | | | 0.15 | 2.15 | |
| | **3rd A cross Rhs** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.00 | | | 0.15 | 4.50 | |
| | Ch: 30.00m to 40.00m | 1 | 10.00 | 1.00 | | | 0.15 | 1.50 | |
| | **Road Gap** | | | | | | | | |
| | Ch: 40.00m to 69.10m | 1 | 29.10 | 1.00 | | | 0.15 | 4.37 | |
| | **Road Gap** | | | | | | | | |
| | Ch: 69.10m to 91.90m | 1 | 22.80 | 1.00 | | | 0.15 | 3.42 | |
| | **3rd A cross Lhs from dead end** | | | | | | | | |
| | Ch: 0.00m to 18.20m | 1 | 18.20 | 1.00 | | | 0.15 | 2.73 | |
| | **Culvert Gap** | | | | | | | | |
| | Ch: 18.20m to 48.20m | 1 | 30.00 | 1.00 | | | 0.15 | 4.50 | |
| | Ch: 48.20m to 78.20m | 1 | 30.00 | 1.00 | | | 0.15 | 4.50 | |
| | Ch: 78.20m to 92.70m | 1 | 14.50 | 1.00 | | | 0.15 | 2.18 | |
| | **3rd B cross Rhs** | | | | | | | | |

tractor

Consultant

Asst Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ...
ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, ದೊಡ್ಡಬಳ್ಳಾಪುರ...
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
Asst. Executive Engineer
ದಾಂಗವಾರ ವಲಯ

Scanned with OKEN Scanner

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 60.00m to 61.20m | 1 | 1.20 | 1.00 | 0.15 | 0.18 | |
| | **3rd Main Lhs** | | | | | | |
| | Ch: 0.00m to 18.70m | 1 | 18.70 | 1.00 | 0.15 | 2.81 | |
| | **3rd Main Rhs** | | | | | | |
| | Ch: 0.00m to 24.20m | 1 | 24.20 | 1.00 | 0.15 | 3.63 | |
| | **4th Main Lhs** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 30.00m to 48.90m | 1 | 18.90 | 1.00 | 0.15 | 2.84 | |
| | **4th Main Rhs** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 30.00m to 13.70m | 1 | 13.70 | 1.00 | 0.15 | 2.06 | |
| | | | | | | | |
| | **Culvert** | 1 | 7.10 | 1.50 | 0.15 | 1.60 | |
| | **LHS** | | | | | | |
| | **RHS** | 1 | 7.50 | 1.50 | 0.15 | 1.69 | |
| | | 1 | 7.00 | 1.50 | 0.15 | 1.58 | |
| | | 1 | 7.20 | 1.50 | 0.15 | 1.62 | |
| | | 1 | 7.50 | 1.50 | 0.15 | 1.69 | |
| | **SWD to Main Road RHS** | 1 | 5.50 | 1.50 | 0.15 | 1.24 | |
| | | 1 | 4.80 | 1.50 | 0.15 | 1.08 | |
| | | | | | | | |
| | **Starting Culvert Expansion** | 1 | 5.50 | 1.50 | 0.15 | 1.24 | |
| | | 1 | 18.00 | 1.50 | 0.15 | 4.05 | |
| | | | | | | | |
| | **Compound Wall - PCC** | | | | | | |
| | **From SWD LHS** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 30.00m to 48.80m | 1 | 18.80 | 1.00 | 0.15 | 2.82 | |
| | Ch: 48.80m to 78.80m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 78.80m to 108.60m | 1 | 29.80 | 1.00 | 0.15 | 4.47 | |
| | Ch: 108.60m to 138.60m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 138.60m to 168.60m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 168.60m to 198.60m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 198.60m to 216.70m | 1 | 18.10 | 1.00 | 0.15 | 2.72 | |
| | Ch: 216.70m to 221.60m | 1 | 4.90 | 1.00 | 0.15 | 0.74 | |
| | Gate Gap | | | | | | |
| | Ch: 221.60m to 221.60m | 1 | 4.90 | 1.00 | 0.15 | 0.74 | |
| | Ch: 221.60m to 221.60m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 221.60m to 221.60m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 221.60m to 221.60m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |
| | Ch: 221.60m to 221.60m | 1 | 23.10 | 1.00 | 0.15 | 3.47 | |
| | **Backside** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.00 | 0.15 | 4.50 | |

Executive Engineer
Roads Infrastructure, Dasarahalli Division
Bruhat Bengaluru Mahanagara Palike
Bengaluru-02

Contractor

Consultant

Asst Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
Asst. Executive Engineer
ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹನಗರ ಪಾಲಿಕೆ

Scanned with OKEN Scanner

| Item No | Discription of Item | No | Length | Breadth | | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: 30.00m to 53.40m | 1 | 23.40 | 1.00 | | | 0.15 | 3.51 | |
| | Ch: 53.40m to 64.70m | 1 | 11.30 | 1.00 | | | 0.15 | 1.70 | |
| | **SWD to Main Road** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 1.00 | | | 0.15 | 4.50 | |
| | Ch: 30.00m to 57.00m | 1 | 27.00 | 1.00 | | | 0.15 | 4.05 | |
| | **Deduct Compound Pillars** | | | | | | | | |
| | Road Side | -70 | 1.20 | 1.00 | | | 0.15 | -12.60 | |
| | Back Side | -22 | 1.20 | 1.00 | | | 0.15 | -3.96 | |
| | **SWD to Main Road** | -14 | 1.20 | 1.00 | | | 0.15 | -2.52 | |
| | **Entrance Gate** | | | | | | | | |
| | Ch:404.30m to 414.90m | 1 | 10.60 | 1.00 | | | 0.15 | 1.59 | |
| | Ch:404.30m to 419.70m | 1 | 4.80 | 1.00 | | | 0.15 | 0.72 | |
| | **Entrance Pillars** | | | | | | | | |
| | Ch: 30.00m to 339.60m | 2 | 1.40 | 1.40 | | | 0.15 | 0.59 | |
| | **Compound Pillars** | | | | | | | | |
| | Road Side | 70 | 1.20 | 1.20 | | | 0.15 | 15.12 | |
| | Back Side | 22 | 1.20 | 1.20 | | | 0.15 | 4.75 | |
| | **SWD to Main Road** | 14 | 1.20 | 1.20 | | | 0.15 | 3.02 | |
| | **Gate Entrance Concrete** | | | | | | | | |
| | | 1 | 4.70 | 6.20 | 4.00 | 5.10 | 0.15 | 3.60 | |
| | **CC Adjacent to SWD** | | | | | | | | |
| | Ch: 0.00m to 3.00m | 0.5 | 3.00 | 0.00 | 2.10 | 1.05 | 0.15 | 0.24 | |
| | Ch: 3.00m to 33.00m | 1 | 30.00 | 2.10 | 1.85 | 1.98 | 0.15 | 8.89 | |
| | Ch: 33.00m to 48.80m | 1 | 15.80 | 1.85 | 1.55 | 1.70 | 0.15 | 4.03 | |
| | **Boundary Line Compound** | | | | | | | | |
| | | 1 | 26.00 | 1.20 | | | 0.15 | 4.68 | |
| | | 1 | 30.00 | 1.20 | | | 0.15 | 5.40 | |
| | | 1 | 20.00 | 1.20 | | | 0.15 | 3.60 | |
| | **For Footing** | 11 | 1.50 | 1.50 | | | 0.15 | 3.71 | |
| | | | | | | | | | |
| | | | | | | **Present Qty** | | **337.49** | **Cum** |

Checked :

215

Executive Engineer
Roads Infrastructure, Dasarahalli Division
Bruhat Bengaluru Mahanagara Palike
Bengaluru- 02.

ntractor

Nez Infratech Pvt. Ltd.
Consultant

Asst.Engineer

Asst. Executive Engineer

Scanned with OKEN Scanner

# Widening & Comprehensive Development of Singa…ura Gard…n Road from Abbigere Main Road (Precision Components Factory) to Sh…nikethan …Layout (BDA Layout)

## Detailed Measurements

**Measurement Recorded On:** 29/3/2022

| Item No | Discription of Item | No | Length | Breadth | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| 21 | Providing and laying in position plain/Reinforced cement cement concrete M20 for sub-structure/Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticisers @ 3Its confirming to IS 9103-2008,concrete laid in layers, well compacted and providing weep holes wherever necessary with necessary scaffolding,form work etc., including cost of labour, HOM curing etc., complete. | | | | | | | |
| | **Singapura Garden Road** | | | | | | | |
| | **Compound Wall - Plinth** | | | | | | | |
| | **From SWD LHS** | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.30 | | 0.30 | 2.70 | |
| | Ch: 30.00m to 48.80m | 1 | 18.80 | 0.30 | | 0.30 | 1.69 | |
| | Ch: 48.80m to 78.80m | 1 | 30.00 | 0.30 | | 0.30 | 2.70 | |
| | Ch: 78.80m to 108.60m | 1 | 29.80 | 0.30 | | 0.30 | 2.68 | |
| | Ch:108.60m to 138.60m | 1 | 30.00 | 0.30 | | 0.90 | 8.10 | |
| | Ch: 138.60m to 168.60m | 1 | 30.00 | 0.30 | | 0.90 | 8.10 | |
| | Ch: 168.60m to 198.60m | 1 | 30.00 | 0.30 | | 0.90 | 8.10 | |
| | Ch: 198.60m to 216.70m | 1 | 18.10 | 0.30 | | 0.90 | 4.89 | |
| | Ch: 216.70m to 221.60m | 1 | 4.90 | 0.30 | | 0.90 | 1.32 | |
| | Gate Gap | | | | | | | |
| | Ch: 221.60m to 226.50m | 1 | 4.90 | 0.30 | | 0.90 | 1.32 | |
| | Ch: 226.50m to 256.50m | 1 | 30.00 | 0.30 | | 0.90 | 8.10 | |
| | Ch: 256.50m to 286.50m | 1 | 30.00 | 0.30 | | 0.90 | 8.10 | |
| | Ch: 286.50m to 316.50m | 1 | 30.00 | 0.30 | | 0.90 | 8.10 | |
| | Ch: 316.50m to 339.60m | 1 | 23.10 | 0.30 | | 0.90 | 6.24 | |
| | **Backside** | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.30 | | 2.40 | 21.60 | |
| | Ch: 30.00m to 53.40m | 1 | 23.40 | 0.30 | | 2.40 | 16.85 | |
| | Ch: 53.40m to 64.70m | 1 | 11.30 | 0.30 | | 2.40 | 8.14 | |
| | **SWD to Main Road** | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.30 | | 0.90 | 8.10 | |
| | Ch: 30.00m to 57.00m | 1 | 27.00 | 0.30 | | 0.90 | 7.29 | |
| | **Deduct Compound Pillars** | | | | | | | |
| | Road Side | -70 | 1.20 | 0.30 | | 0.90 | -22.68 | |
| | Back Side | -22 | 1.20 | 0.30 | | 0.90 | -7.13 | |
| | **SWD to Main Road** | -14 | 1.20 | 0.30 | | 0.90 | -4.54 | |
| | **Entrance Gate** | | | | | | | |
| | | 1 | 10.60 | 0.45 | | 0.90 | 4.29 | |
| | | 1 | 4.80 | 0.45 | | 0.90 | 1.94 | |
| | **Entrance Pillars Foundation** | | | | | | | |
| | | 2 | 1.20 | 1.20 | | 0.20 | 0.58 | |
| | | 2 | 0.45 | 0.30 | | 1.20 | 0.32 | |

Executive Engineer
Roads Infrastructure, Dasarahalli Division
Bengaluru Mahanagara Palike
Bengaluru- 02.

Contractor

Consultant

Asst.Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತ
Asst. Executive Engineer
ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, (ದಾಸರಹಳ್ಳಿ ವಿ
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Scanned with OKEN Scanner

| tem No | Discription of Item | No | Length | Breadth | | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 2 | 0.45 | 0.30 | | | 3.35 | 0.90 | |
| | **Compound Pillars Foundation** | | | | | | | | |
| | Road Side | 70 | 1.20 | 1.20 | | | 0.30 | 30.24 | |
| | Back Side | 22 | 1.20 | 1.20 | | | 0.35 | 11.09 | |
| | **SWD to Main Road** | 14 | 1.20 | 1.20 | | | 0.30 | 6.05 | |
| | **Compound Pillars Column Below ground level** | | | | | | | | |
| | Road Side | 70 | 0.60 | 0.60 | | | 0.90 | 22.68 | |
| | Back Side | 22 | 0.60 | 0.60 | | | 0.90 | 7.13 | |
| | **SWD to Main Road** | 14 | 0.60 | 0.60 | | | 0.90 | 4.54 | |
| | **Compound Pillars Column Above ground level** | | | | | | | | |
| | Road Side | 70 | 0.30 | 0.30 | | | 2.70 | 17.01 | |
| | Back Side | 22 | 0.30 | 0.30 | | | 2.50 | 4.95 | |
| | **SWD to Main Road** | 14 | 0.30 | 0.30 | | | 2.40 | 3.02 | |
| | **Gate Entrance Concrete** | | | | | | | | |
| | | 1 | 4.70 | 6.20 | 4.00 | 5.10 | 0.15 | 3.60 | |
| | **CC Adjacent to SWD** | | | | | | | | |
| | Ch: 0.00m to 3.00m | 0.5 | 3.00 | 0.00 | 2.10 | 1.05 | 0.15 | 0.24 | |
| | Ch: 3.00m to 33.00m | 1 | 30.00 | 2.10 | 1.85 | 1.98 | 0.15 | 8.89 | |
| | Ch: 33.00m to 48.80m | 1 | 15.80 | 1.85 | 1.55 | 1.70 | 0.15 | 4.03 | |
| | **Boundary Line Compound** | | | | | | | | |
| | **Foundation** | 1 | 26.00 | 1.20 | | | 0.45 | 14.04 | |
| | | 1 | 30.00 | 1.20 | | | 0.45 | 16.20 | |
| | | 1 | 20.00 | 1.20 | | | 0.45 | 10.80 | |
| | **For Footing** | 11 | 1.50 | 1.50 | | | 0.35 | 8.66 | |
| | **Boundary Line Compound** | | | | | | | | |
| | **Wall** | 1 | 26.00 | 0.30 | | | 1.80 | 14.04 | |
| | | 1 | 30.00 | 0.30 | | | 1.00 | 9.00 | |
| | | 1 | 20.00 | 0.30 | | | 1.00 | 6.00 | |
| | **For Coloumn** | 11 | 0.60 | 0.60 | | | 1.20 | 4.75 | |
| | **Coloumn Above plinth** | 27 | 0.30 | 0.30 | | | 1.85 | 4.50 | |
| | | | | | | | **Present Qty** | **319.26** | **Cum** |

Checked

29/3/22

Executive Engineer
Roads Infrastructure, Dasarahalli Division
Bruhat Bengaluru Mahanagara Palike
Bengaluru- 02.

Contractor

Consultant

Asst Engineer

Asst. Executive Engineer

Scanned with OKEN Scanner

# Widening & Comprehensive Development of Singapura Garden Road from Abbigere Main Road (Precision Components Factory) to Shri Balakrishna Layout (BDA Layout)

## Detailed Measurements

**Measurement Recorded On:** 6/5/2022, 10/5/2022

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 22 | KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height | | | | | | |
| | **Singapura Garden Road** | | | | | | |
| | **RCC Drain Raft** | | | | | | |
| | **From SWD LHS** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | Ch: 30.00m to 48.80m | 1 | 18.80 | 0.90 | 0.15 | 2.54 | |
| | Culvert link Gap | | | | | | |
| | Ch: 48.80m to 78.80m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | Ch: 78.80m to 108.60m | 1 | 29.80 | 0.90 | 0.15 | 4.02 | |
| | Ch:108.60m to 138.60m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | Ch: 138.60m to 168.60m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | Ch: 168.60m to 198.60m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | Ch: 198.60m to 216.70m | 1 | 18.10 | 0.90 | 0.15 | 2.44 | |
| | Culvert Gap | | | | | | |
| | Ch: 216.70m to 246.70m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | Ch: 246.70m to 276.70m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | Ch: 276.70m to 306.70m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | Ch: 306.70m to 329.80m | 1 | 23.10 | 0.90 | 0.15 | 3.12 | |
| | Continued | | | | | | |
| | Ch: 329.80m to 332.90m | 1 | 3.10 | 0.90 | 0.15 | 0.42 | |
| | Ch: 332.90m to 351.30m | 1 | 18.40 | 0.90 | 0.15 | 2.48 | |
| | **RHS From End** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.90 | 0.15 | 4.05 | |
| | Ch: 30.00m to 52.30m | 1 | 22.30 | 0.90 | 0.15 | 3.01 | |
| | Ch: 52.30m to 54.00m | 1 | 1.70 | 0.90 | 0.15 | 0.23 | |
| | Ch: 54.00m to 82.70m | 1 | 28.70 | 0.90 | 0.15 | 3.87 | |
| | Ch: 82.70m to 94.40m | 1 | 11.70 | 0.90 | 0.15 | 1.58 | |
| | Ch: 94.40m to 104.10m | 1 | 9.70 | 0.90 | 0.15 | 1.31 | |
| | Ch: 104.10m to 115.80m | 1 | 11.70 | 0.90 | 0.15 | 1.58 | |
| | Ch: 115.80m to 129.30m | 1 | 13.50 | | | | |
| | Ch: 129.30m to 140.70m | 1 | 11.40 | 0.90 | 0.15 | 1.54 | |
| | Ch: 140.70m to 158.60m | 1 | 17.90 | 0.90 | 0.15 | 2.42 | |
| | **Culvert Gap** | | | | | | |
| | Ch: 158.60m to 186.30m | 1 | 27.70 | | | | |
| | **Culvert Gap** | | | | | | |
| | Ch: 186.30m to 202.10m | 1 | 15.80 | 0.90 | 0.15 | 2.16 | |

Executive Engineer
Roads Infrastructure, Dasarahalli Division
Bruhat Bengaluru Mahanagara Palike
Bengaluru- 02.

ractor

Nz Infratech Pvt. Ltd. Consultant

Asst.Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹನಗರ ಪಾಲಿಕೆ

Asst. Executive Engineer

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| Item No | Discription of Item | No | Length | Breadth | | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: 202.10m to 217.00m | 1 | 14.90 | | | | | | |
| | **Culvert Gap** | | | | | | | | |
| | Ch: 217.00m to 247.00m | 1 | 30.00 | 0.90 | | | 0.15 | 4.05 | |
| | 247.00m to 255.70m | 1 | 8.70 | 0.90 | | | 0.15 | 1.17 | |
| | **Culvert Gap** | | | | | | | | |
| | 255.70m to 278.70m | 1 | 23.00 | 0.90 | | | 0.15 | 3.11 | |
| | **SWD to Main Road RHS** | | | | | | | | |
| | Ch: 0.00m to 7.80m | 1 | 7.80 | 0.90 | | | 0.15 | 1.05 | |
| | Culvert gap | | | | | | | | |
| | Ch: 7.80m to 37.80m | 1 | 30.00 | 0.90 | | | 0.15 | 4.05 | |
| | Ch: 37.80m to 43.80m | 1 | 6.00 | 0.90 | | | 0.15 | 0.81 | |
| | Culvert gap | | | | | | | | |
| | Ch: 43.80m to 73.80m | 1 | 30.00 | 0.90 | | | 0.15 | 4.05 | |
| | Ch: 73.80m to 102.80m | 1 | 29.00 | 0.90 | | | 0.15 | 3.92 | |
| | **SWD to Main Road LHS** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.90 | | | 0.15 | 4.05 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 0.90 | | | 0.15 | 4.05 | |
| | Ch: 60.00m to 90.00m | 1 | 30.00 | 0.90 | | | 0.15 | 4.05 | |
| | Ch: 90.00m to 101.00m | 1 | 11.00 | 0.90 | | | 0.15 | 1.49 | |
| | **School Gate** | | | | | | | | |
| | **LHS** | | | | | | | | |
| | Ch: 0.00m to 11.60m | 1 | 11.60 | 0.60 | | | 0.15 | 1.04 | |
| | Ch: 11.60m to 38.80m | 1 | 27.20 | 0.60 | | | 0.15 | 2.45 | |
| | **LHS** | | | | | | | | |
| | Ch: 0.00m to 12.40m | 1 | 12.40 | 0.60 | | | 0.15 | 1.12 | |
| | Ch: 12.40m to 37.50m | 1 | 25.10 | 0.60 | | | 0.15 | 2.26 | |
| | **Athithi Café Opposite** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.90 | | | 0.15 | 4.05 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 0.90 | | | 0.15 | 4.05 | |
| | Ch: 60.00m to 90.00m | 1 | 30.00 | 0.90 | | | 0.15 | 4.05 | |
| | Ch: 90.00m to 103.00m | 1 | 13.00 | 0.90 | | | 0.15 | 1.76 | |
| | **3rd A cross Rhs** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.75 | | | 0.15 | 3.38 | |
| | Ch: 30.00m to 40.00m | 1 | 10.00 | 0.75 | | | 0.15 | 1.13 | |
| | **Road Gap** | | | | | | | | |
| | Ch: 40.00m to 69.10m | 1 | 29.10 | 0.75 | | | 0.15 | 3.27 | |
| | **Road Gap** | | | | | | | | |
| | Ch: 69.10m to 91.90m | 1 | 22.80 | 0.75 | | | 0.15 | 2.57 | |
| | **3rd A cross Lhs from dead end** | | | | | | | | |
| | Ch: 0.00m to 18.20m | 1 | 18.20 | 0.75 | | | 0.15 | 2.05 | |
| | **Culvert Gap** | | | | | | | | |
| | Ch: 18.20m to 48.20m | 1 | 30.00 | 0.75 | | | 0.15 | 3.38 | |
| | Ch: 48.20m to 78.20m | 1 | 30.00 | 0.75 | | | 0.15 | 3.38 | |
| | Ch: 78.20m to 92.70m | 1 | 14.50 | 0.75 | | | 0.15 | 1.63 | |
| | **3rd B cross Rhs** | | | | | | | | |

C&FC 10/5/22

10/5/22

Executive Engineer
Roads Infrastructure, Dasarahalli Division
Brihat Bengaluru Mahanagara Palike
Bengaluru- 02.

ractor

N.G Infratech Pvt. Ltd.
Consultant

Asst.Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, (ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Asst. Executive Engineer

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| Item No | Discription of Item | No | Length | Breadth | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.75 | | 0.15 | 3.38 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 0.75 | | 0.15 | 3.38 | |
| | Ch: 60.00m to 61.20m | 1 | 1.20 | 0.75 | | 0.15 | 0.14 | |
| | **3rd Main Lhs** | | | | | | | |
| | Ch: 0.00m to 18.70m | 1 | 18.70 | 0.75 | | 0.15 | 2.10 | |
| | **3rd Main Rhs** | | | | | | | |
| | Ch: 0.00m to 24.20m | 1 | 24.20 | 0.75 | | 0.15 | 2.72 | |
| | **4th Main Lhs** | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.75 | | 0.15 | 3.38 | |
| | Ch: 30.00m to 48.90m | 1 | 18.90 | 0.75 | | 0.15 | 2.13 | |
| | **4th Main Rhs** | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.75 | | 0.15 | 3.38 | |
| | Ch: 30.00m to 13.70m | 1 | 13.70 | 0.75 | | 0.15 | 1.54 | |
| | **RCC Drain Wall** | | | | | | | |
| | **From SWD LHS** | | | | | | | |
| | Ch: 0.00m to 30.00m | 2 | 30.00 | 0.15 | | 0.60 | 5.40 | |
| | Ch: 30.00m to 48.80m | 2 | 18.80 | 0.15 | | 0.60 | 3.38 | |
| | Culvert link Gap | | | | | | | |
| | Ch: 48.80m to 78.80m | 2 | 30.00 | 0.15 | | 0.85 | 7.65 | |
| | Ch: 78.80m to 108.60m | 2 | 29.80 | 0.15 | | 0.85 | 7.60 | |
| | Ch:108.60m to 138.60m | 2 | 30.00 | 0.15 | | 0.60 | 5.40 | |
| | Ch: 138.60m to 168.60m | 2 | 30.00 | 0.15 | | 0.60 | 5.40 | |
| | Ch: 168.60m to 198.60m | 2 | 30.00 | 0.15 | | 0.60 | 5.40 | |
| | Ch: 198.60m to 216.70m | 2 | 18.10 | 0.15 | | 0.60 | 3.26 | |
| | Culvert Gap | | | | | | | |
| | Ch: 216.70m to 246.70m | 2 | 30.00 | 0.15 | | 0.60 | 5.40 | |
| | Ch: 246.70m to 276.70m | 2 | 30.00 | 0.15 | | 0.60 | 5.40 | |
| | Ch: 276.70m to 306.70m | 2 | 30.00 | 0.15 | | 0.60 | 5.40 | |
| | Ch: 306.70m to 329.80m | 2 | 23.10 | 0.15 | | 0.60 | 4.16 | |
| | Continued | | | | | | | |
| | Ch: 329.80m to 332.90m | 2 | 3.10 | 0.15 | | 0.60 | 0.56 | |
| | Ch: 332.90m to 351.30m | 2 | 18.40 | 0.15 | | 0.60 | 3.31 | |
| | **RHS From End** | | | | | | | |
| | Ch: 0.00m to 30.00m | 2 | 30.00 | 0.15 | | 0.60 | 5.40 | |
| | Ch: 30.00m to 52.30m | 2 | 22.30 | 0.15 | | 0.60 | 4.01 | |
| | Ch: 52.30m to 54.00m | 2 | 1.70 | 0.15 | | 0.60 | 0.31 | |
| | Ch: 54.00m to 82.70m | 2 | 28.70 | 0.15 | | 0.60 | 5.17 | |
| | Ch: 82.70m to 94.40m | 2 | 11.70 | 0.15 | | 0.60 | 2.11 | |
| | Ch: 94.40m to 104.10m | 2 | 9.70 | 0.15 | | 0.60 | 1.75 | |
| | Ch: 104.10m to 115.80m | 2 | 11.70 | 0.15 | | 0.60 | 2.11 | |
| | Ch: 115.80m to 129.30m | 2 | 13.50 | | | | | |
| | Ch: 129.30m to 140.70m | 2 | 11.40 | 0.15 | | 0.60 | 2.05 | |
| | Ch: 140.70m to 158.60m | 2 | 17.90 | 0.15 | | 0.60 | 3.22 | |
| | **Culvert Gap** | | | | | | | |
| | Ch: 158.60m to 186.30m | 2 | 27.70 | | | | | |

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Executive Engineer
Roads Infrastructure, Dasarahalli Division
Former Bengaluru Mahanagara Palike
Bengaluru-03

Consultant

Asst.Engineer

Asst. Executive Engineer

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| Item No | Discription of Item | No | Length | Breadth | | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | **Culvert Gap** | | | | | | | | |
| | Ch: 186.30m to 202.10m | 2 | 15.80 | 0.15 | | | 0.60 | 2.84 | |
| | Ch: 202.10m to 217.00m | 2 | 14.90 | | | | | | |
| | **Culvert Gap** | | | | | | | | |
| | Ch: 217.00m to 247.00m | 2 | 30.00 | 0.15 | | | 0.80 | 7.20 | |
| | 247.00m to 255.70m | 2 | 8.70 | 0.15 | | | 0.80 | 2.09 | |
| | **Culvert Gap** | | | | | | | | |
| | 255.70m to 278.70m | 2 | 23.00 | 0.20 | | | 1.40 | 12.88 | |
| | **SWD to Main Road RHS** | | | | | | | | |
| | Ch: 0.00m to 7.80m | 2 | 7.80 | 0.15 | | | 0.90 | 2.11 | |
| | Culvert gap | | | | | | | | |
| | Ch: 7.80m to 37.80m | 2 | 30.00 | 0.15 | | | 0.90 | 8.10 | |
| | Ch: 37.80m to 43.80m | 2 | 6.00 | 0.15 | | | 0.95 | 1.71 | |
| | Culvert gap | | | | | | | | |
| | Ch: 43.80m to 73.80m | 2 | 30.00 | 0.15 | | | 0.95 | 8.55 | |
| | Ch: 73.80m to 102.80m | 2 | 29.00 | 0.15 | | | 0.95 | 8.27 | |
| | **SWD to Main Road LHS** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 2 | 30.00 | 0.15 | | | 0.90 | 8.10 | |
| | Ch: 30.00m to 60.00m | 2 | 30.00 | 0.15 | | | 0.90 | 8.10 | |
| | Ch: 60.00m to 90.00m | 2 | 30.00 | 0.15 | | | 0.90 | 8.10 | |
| | Ch: 90.00m to 101.00m | 2 | 11.00 | 0.15 | | | 0.90 | 2.97 | |
| | **School Gate** | | | | | | | | |
| | **LHS** | | | | | | | | |
| | Ch: 0.00m to 11.60m | 2 | 11.60 | 0.15 | | | 0.45 | 1.57 | |
| | Ch: 11.60m to 38.80m | 2 | 27.20 | 0.15 | | | 0.45 | 3.67 | |
| | **RHS** | | | | | | | | |
| | Ch: 0.00m to 12.40m | 2 | 12.40 | 0.15 | | | 0.45 | 1.67 | |
| | Ch: 12.40m to 37.50m | 2 | 25.10 | 0.15 | | | 0.45 | 3.39 | |
| | **Athithi Café Opposite** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 2 | 30.00 | 0.15 | | | 0.75 | 6.75 | |
| | Ch: 30.00m to 60.00m | 2 | 30.00 | 0.15 | | | 0.75 | 6.75 | |
| | Ch: 60.00m to 90.00m | 2 | 30.00 | 0.15 | | | 0.75 | 6.75 | |
| | Ch: 90.00m to 103.00m | 2 | 13.00 | 0.15 | | | 0.75 | 2.93 | |
| | **3rd A cross Rhs** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 2 | 30.00 | 0.15 | | | 0.60 | 5.40 | |
| | Ch: 30.00m to 40.00m | 2 | 10.00 | 0.15 | | | 0.60 | 1.80 | |
| | **Road Gap** | | | | | | | | |
| | Ch: 40.00m to 69.10m | 2 | 29.10 | 0.15 | | | 0.60 | 5.24 | |
| | **Road Gap** | | | | | | | | |
| | Ch: 69.10m to 91.90m | 2 | 22.80 | 0.15 | | | 0.60 | 4.10 | |
| | **3rd A cross Lhs from dead end** | | | | | | | | |
| | Ch: 0.00m to 18.20m | 2 | 18.20 | 0.15 | | | 0.60 | 3.28 | |
| | **Culvert Gap** | | | | | | | | |
| | Ch: 18.20m to 48.20m | 2 | 30.00 | 0.15 | | | 0.60 | 5.40 | |
| | Ch: 48.20m to 78.20m | 2 | 30.00 | 0.15 | | | 0.60 | 5.40 | |

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Executive Engineer
Roads Infrastructure, Dasarahalli Division
BBMP/ Bengaluru Mahanagara Palike
Bengaluru- 02.

Contractor

N S Infratech Pvt. Ltd.
Consultant

Asst.Engineer

Asst. Executive Engineer

Scanned with OKEN Scanner

| tem No | Discription of Item | No | Length | Breadth | | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: 78.20m to 92.70m | 2 | 14.50 | 0.15 | | | 0.60 | 2.61 | |
| | **3rd B cross Rhs** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 2 | 30.00 | 0.15 | | | 0.60 | 5.40 | |
| | Ch: 30.00m to 60.00m | 2 | 30.00 | 0.15 | | | 0.60 | 5.40 | |
| | Ch: 60.00m to 61.20m | 2 | 1.20 | 0.15 | | | 0.60 | 0.22 | |
| | **3rd Main Lhs** | | | | | | | | |
| | Ch: 0.00m to 18.70m | 2 | 18.70 | 0.15 | | | 0.60 | 3.37 | |
| | **3rd Main Rhs** | | | | | | | | |
| | Ch: 0.00m to 24.20m | 2 | 24.20 | 0.15 | | | 0.60 | 4.36 | |
| | **4th Main Lhs** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 2 | 30.00 | 0.15 | | | 0.60 | 5.40 | |
| | Ch: 30.00m to 48.90m | 2 | 18.90 | 0.15 | | | 0.60 | 3.40 | |
| | **4th Main Rhs** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 2 | 30.00 | 0.15 | | | 0.60 | 5.40 | |
| | Ch: 30.00m to 13.70m | 2 | 13.70 | 0.15 | | | 0.60 | 2.47 | |
| | **Culvert Raft** | | | | | | | | |
| | **LHS** | 1 | 7.10 | 1.20 | | | 0.20 | 1.70 | |
| | **RHS** | | | | | | | | |
| | | 1 | 7.50 | 1.20 | | | 0.20 | 1.80 | |
| | | 1 | 7.00 | 1.20 | | | 0.20 | 1.68 | |
| | | 1 | 7.20 | 1.20 | | | 0.20 | 1.73 | |
| | | 1 | 7.50 | 1.20 | | | 0.20 | 1.80 | |
| | **SWD to Main Road RHS** | 1 | 5.50 | 1.20 | | | 0.20 | 1.32 | |
| | | 1 | 4.80 | 1.20 | | | 0.20 | 1.15 | |
| | **Starting Culvert Expansion** | | | | | | | | |
| | | 1 | 5.50 | 1.50 | | | 0.20 | 1.65 | |
| | | 1 | 18.00 | 1.50 | | | 0.20 | 5.40 | |
| | **Culvert Wall** | | | | | | | | |
| | **LHS** | 2 | 7.10 | 0.23 | | | 0.60 | 1.96 | |
| | **RHS** | | | | | | | | |
| | | 2 | 7.50 | 0.23 | | | 0.70 | 2.42 | |
| | | 2 | 7.00 | 0.23 | | | 0.70 | 2.25 | |
| | | 2 | 7.20 | 0.23 | | | 0.80 | 2.65 | |
| | | 2 | 7.50 | 0.23 | | | 0.80 | 2.76 | |
| | **SWD to Main Road RHS** | 2 | 5.50 | 0.23 | | | 0.60 | 1.52 | |
| | | 2 | 4.80 | 0.23 | | | 0.60 | 1.32 | |
| | **Starting Culvert Expansion** | | | | | | | | |
| | | 2 | 5.50 | 0.23 | | | 0.90 | 2.28 | |
| | | 2 | 18.00 | 0.23 | | | 0.90 | 7.45 | |
| | **Culvert Deck Slab** | | | | | | | | |
| | **LHS** | 1 | 7.10 | 1.20 | | | 0.22 | 1.87 | |
| | | 1 | 18.00 | 1.20 | | | 0.22 | 4.75 | |
| | | | | | | | **Present Qty** | **495.09** | **Cum** |

checked.

Executive Engineer
Roads Wing Division, Dasarahalli Division
Bruhat Bengaluru Mahanagara Palike
Bengaluru- 02.

tractor

Consultant

Asst.Engineer

Asst. Executive Engineer

Scanned with OKEN Scanner

# Widening & Comprehensive Development of Singapura Garden Road from Abbigere Main Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)

Detailed Measurements

**Measurement Recorded On:** 28|3|2022, 15|4|2022, 1|5|2022

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 23 | KSRRB M2200-6. Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking placing in position lapping and /or welding wherever required , tying with binding wire and anchoring to the adjoining members wherever necessary complete as design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No. 1600 & 2200. TMT Bars Fe 500 | | | | | | |
| | **Singapura Garden Road** | | | | | | |
| | **RCC Drain Raft** | | | | | | |
| | **From SWD LHS** | | | | | | |
| | Total Drain Length=351.30m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=2810 | 2810 | 2.20 | | 0.61 | 3771.02 | |
| | No of distrubution Bars=15 | 15 | 351.30 | | 0.61 | 3214.40 | |
| | **RHS From End** | | | | | | |
| | Total Drain Length=278.70m | | | | | | |
| | Main Bar 10mm dia @155mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @160mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=1798 | 1798 | 2.30 | | 0.61 | 2522.59 | |
| | No of distrubution Bars=14 | 14 | 278.70 | | 0.61 | 2380.10 | |
| | **SWD to Main Road RHS** | | | | | | |
| | **LHS** | | | | | | |
| | Total Drain Length=102.80m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=823 | 823 | 2.70 | | 0.61 | 1355.48 | |
| | No of distrubution Bars=18 | 18 | 102.80 | | 0.61 | 1128.74 | |
| | **SWD to Main Road LHS** | | | | | | |
| | **LHS** | | | | | | |
| | Total Drain Length=101.00m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |

ractor

Consultant

Asst. Engineer

Asst. Executive Engineer

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| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=808 | 808 | 2.70 | | 0.61 | 1330.78 | |
| | No of distrubution Bars=18 | 18 | 101.00 | | 0.61 | 1108.98 | |
| | **School Gate** | | | | | | |
| | **LHS** | | | | | | |
| | Total Drain Length=38.80m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=310 | 310 | 1.50 | | 0.61 | 283.65 | |
| | No of distrubution Bars=10 | 10 | 38.80 | | 0.61 | 236.68 | |
| | **RHS** | | | | | | |
| | Total Drain Length=37.50m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=300 | 300 | 1.50 | | 0.61 | 274.50 | |
| | No of distrubution Bars=10 | 10 | 37.50 | | 0.61 | 228.75 | |
| | **Athithi Café Opposite** | | | | | | |
| | Total Drain Length=103.00m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=824 | 824 | 2.40 | | 0.61 | 1206.34 | |
| | No of distrubution Bars=16 | 16 | 103.00 | | 0.61 | 1005.28 | |
| | **3rd A cross Rhs** | | | | | | |
| | Total Drain Length=91.90m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=735 | 735 | 1.95 | | 0.61 | 874.28 | |
| | No of distrubution Bars=13 | 13 | 91.90 | | 0.61 | 728.77 | |
| | **3rd A cross Lhs from dead end** | | | | | | |
| | Total Drain Length=92.70m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |

tractor

N.R. Infratech Pvt. Ltd.
Consultant

Asst. Engineer

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Asst. Executive Engineer
ರಸ್ತೆ ಮೂಲಭೂತ ಸೌಕರ್ಯಗಳು, ಯೋಜನೆ ವಿಭಾ
ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=742 | 742 | 1.95 | | 0.61 | 882.61 | |
| | No of distrubution Bars=13 | 13 | 92.70 | | 0.61 | 735.11 | |
| | **3rd B cross Rhs** | | | | | | |
| | Total Drain Length=61.20m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=490 | 490 | 1.95 | | 0.61 | 582.86 | |
| | No of distrubution Bars=13 | 13 | 61.20 | | 0.61 | 485.32 | |
| | **3rd Main Lhs** | | | | | | |
| | Total Drain Length=18.70m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=150 | 150 | 1.95 | | 0.61 | 178.43 | |
| | No of distrubution Bars=13 | 13 | 18.70 | | 0.61 | 148.29 | |
| | **3rd Main Rhs** | | | | | | |
| | Total Drain Length=24.20m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=194 | 194 | 1.95 | | 0.61 | 230.76 | |
| | No of distrubution Bars=13 | 13 | 24.20 | | 0.61 | 191.91 | |
| | **4th Main Lhs** | | | | | | |
| | Total Drain Length=48.90m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | No of U Bars=391 | 391 | 1.95 | | 0.61 | 465.09 | |
| | No of distrubution Bars=13 | 13 | 48.90 | | 0.61 | 387.78 | |
| | **4th Main Rhs** | | | | | | |
| | Total Drain Length=43.70m | | | | | | |
| | Main Bar 10mm dia @125mm c/c | | | | | | |
| | d=0.61kg/m | | | | | | |
| | Distrubution Bar 10mm dia @145mm c/c | | | | | | |

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Consultant

Asst. Engineer

Asst. Executive Engineer

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| Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|
| d=0.61kg/m | | | | | | |
| No of U Bars=350 | 350 | 1.95 | | 0.61 | 416.33 | |
| No of distrubution Bars=13 | 13 | 43.70 | | 0.61 | 346.54 | |
| **Culvert** | | | | | | |
| Total Culvert Length=70.10m | | | | | | |
| Main Bar 12mm dia @150mm c/c | | | | | | |
| d=0.89kg/m double mat, | | | | | | |
| Distrubution Bar 10mm dia @160mm c/c | | | | | | |
| d=0.61kg/m double mat, | | | | | | |
| No of U Bars=934 | 934 | 2.70 | | 0.89 | 2244.40 | |
| No of distrubution Bars=34 | 34 | 70.10 | | 0.61 | 1453.87 | |
| **Culvert Deck Slab** | | | | | | |
| Total Culvert Length=25.10m | | | | | | |
| Main Bar 12mm dia @175mm c/c | | | | | | |
| d=0.89kg/m double mat, | | | | | | |
| Distrubution Bar 10mm dia @170mm c/c | | | | | | |
| d=0.61kg/m double mat, | | | | | | |
| No of U Bars=287 | 287 | 1.42 | | 0.89 | 362.71 | |
| No of distrubution Bars=16 | 16 | 25.10 | | 0.61 | 244.98 | |
| **Compound Wall - Plinth** | | | | | | |
| **From SWD LHS** | | | | | | |
| Total Drain Length=339.60m | | | | | | |
| Main Bar 10mm dia @125mm c/c | | | | | | |
| d=0.61kg/m | | | | | | |
| Distrubution Bar 10mm dia @145mm c/c | | | | | | |
| d=0.61kg/m | | | | | | |
| No of U Bars=310 | 2716 | 1.80 | | 0.89 | 4351.03 | |
| No of distrubution Bars=10 | 15 | 339.60 | | 0.61 | 3107.34 | |
| **Compound Wall - Plinth** | | | | | | |
| **Backside** | | | | | | |
| Total Drain Length=64.70m | | | | | | |
| Main Bar 10mm dia @110mm c/c | | | | | | |
| d=0.61kg/m | | | | | | |
| Distrubution Bar 10mm dia @115mm c/c | | | | | | |
| d=0.61kg/m | | | | | | |
| No of U Bars=588 | 588 | 5.40 | | 0.89 | 2825.93 | |
| No of distrubution Bars=47 | 47 | 64.70 | | 0.89 | 2706.40 | |
| **For compound Wall** | | | | | | |
| **Boundary Line** | | | | | | |
| **Retaining Wall 26mtr Length** | | | | | | |
| **Footing** | | | | | | |

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| Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|
| Main bar @16mm dia 150mmC/c | | | | | | |
| Distribution Bar at 12mm dia 150mm/C | | | | | | |
| 26/0.15 =173Nos | 173 | 2.00 | 1.00 | 1.58 | 546.68 | |
| 1/.15 | 6 | 2.00 | 26.00 | 0.89 | 277.68 | |
| **For Wall** | | | | | | |
| Main bar @16mm dia 150mmC/c | 173 | 2.40 | 1.58 | | 656.02 | |
| Main bar @12mm dia 150mmC/c | 173 | 2.00 | 0.89 | | 307.94 | |
| Distribution Bar at 12mm dia 150mm/C | | | | | | |
| 1.8/.15=12 Nos | 12 | 2.00 | 26.00 | 0.89 | 555.36 | |
| **Retaining Wall 50mtr Length** | | | | | | |
| **Footing** | | | | | | |
| Main bar @16mm dia 150mmC/c | | | | | | |
| Distribution Bar at 12mm dia 150mm/C | | | | | | |
| 50/0.15 =333Nos | 333 | 2.00 | 1.00 | 1.58 | 1052.28 | |
| 1/.15 | 6 | 2.00 | 50.00 | 0.89 | 534.00 | |
| **For Wall** | | | | | | |
| Main bar @16mm dia 150mmC/c | 333 | 1.60 | 1.58 | | 841.82 | |
| Main bar @12mm dia 150mmC/c | 333 | 1.20 | 0.89 | | 355.64 | |
| Distribution Bar at 12mm dia 150mm/C | | | | | | |
| 1.8/.15=12 Nos | 12 | 2.00 | 50.00 | 0.89 | 1068.00 | |
| **Footing 11Nos** | | | | | | |
| Main bar @12mm dia 150mmC/c both ways | | | | | | |
| Distribution Bar at 12mm dia 150mm/C | | | | | | |
| | 11 | 8.00 | 1.20 | 0.89 | 93.98 | |
| | 11 | 8.00 | 1.20 | 0.89 | 93.98 | |
| For Coloumns upto plinth | | | | | | |
| 6Nos 16mm dia bar | 11 | 6.00 | 1.20 | 1.58 | 125.14 | |
| Stirrups 8mm Dia bar | 11 | 2.40 | 2.40 | 0.39 | 24.71 | |
| **Plinth Beam** | | | | | | |
| 6# 12mm dia bar | 1 | 6.00 | 50.00 | 0.89 | 267.00 | |
| Stirrups 8mm Dia bar @150mmC/c | 333 | 1.80 | | 0.39 | 233.77 | |
| **For Coloumns above plinth** | | | | | | |
| Total Nos of Coloumn =27 Nos | | | | | | |
| 6# of 12mm dia bar | 27 | 6.00 | 1.85 | 0.89 | 266.73 | |
| Stirrups 8mm dia @ 150mm C/c | 27 | 12.00 | 1.20 | 0.39 | 151.63 | |
| **From SWD LHS** | | | | | | |
| **Footing 24Nos** | | | | | | |
| Main bar @12mm dia 150mmC/c both ways | | | | | | |
| Distribution Bar at 12mm dia 150mm/C | | | | | | |
| 1.2/0.15=8Nos | 24 | 8.00 | 1.20 | 0.89 | 205.06 | |
| | 24 | 8.00 | 1.20 | 0.89 | 205.06 | |

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Consultant

Asst. Engineer

Asst. Executive Engineer

| em No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | For Coloumns | | | | | | |
| | 8Nos 12mm dia bar | 24 | 8.00 | 4.50 | 0.89 | 768.96 | |
| | Stirrups 8mm Dia bar | 24 | 6.00 | 2.40 | 0.39 | 134.78 | |
| | | 24 | 18.00 | 1.20 | 0.39 | 202.18 | |
| | Plinth Beam length 108.60m | | | | | | |
| | 4# of 12mm Dia bar | 1 | 4.00 | 108.60 | 0.89 | 386.62 | |
| | Stirrups 8mm dia bar | 724 | 1.20 | | 0.39 | 338.83 | |
| | **Footing 46 Nos** | | | | | | |
| | Main bar @12mm dia 150mmC/c both ways | | | | | | |
| | Distribution Bar at 12mm dia 150mm/C | | | | | | |
| | 1.2/0.15=8Nos | 46 | 8.00 | 1.20 | 0.89 | 393.02 | |
| | | 46 | 8.00 | 1.20 | 0.89 | 393.02 | |
| | For Coloumns | | | | | | |
| | 8Nos 12mm dia bar | 46 | 8.00 | 4.50 | 0.89 | 1473.84 | |
| | Stirrups 8mm Dia bar | 46 | 6.00 | 2.40 | 0.39 | 258.34 | |
| | | 46 | 18.00 | 1.20 | 0.39 | 387.50 | |
| | Plinth Beam length 108.60m | | | | | | |
| | 4# of 12mm Dia bar | 1 | 4.00 | 108.60 | 0.89 | 386.62 | |
| | Stirrups 8mm dia bar | 1540 | 2.40 | | 0.39 | 1441.44 | |
| | **SWD to Main Road** | | | | | | |
| | **Footing 14 Nos** | | | | | | |
| | Main bar @12mm dia 150mmC/c both ways | | | | | | |
| | Distribution Bar at 12mm dia 150mm/C | | | | | | |
| | 1.2/0.15=8Nos | 14 | 8.00 | 1.20 | 0.89 | 119.62 | |
| | | 14 | 8.00 | 1.20 | 0.89 | 119.62 | |
| | For Coloumns | | | | | | |
| | 8Nos 12mm dia bar | 14 | 8.00 | 4.50 | 0.89 | 448.56 | |
| | Stirrups 8mm Dia bar | 14 | 6.00 | 2.40 | 0.39 | 78.62 | |
| | | 14 | 18.00 | 1.20 | 0.39 | 117.94 | |
| | Plinth Beam length 108.60m | | | | | | |
| | 4# of 12mm Dia bar | 1 | 4.00 | 108.60 | 0.89 | 386.62 | |
| | Stirrups 8mm dia bar | 724 | 2.40 | | 0.39 | 677.66 | |
| | **Backside** | | | | | | |
| | **Retaining Wall 57mtr Length** | | | | | | |
| | **Footing** | | | | | | |
| | Main bar @16mm dia 150mmC/c | | | | | | |
| | Distribution Bar at 12mm dia 150mm/C | | | | | | |
| | 57/0.15 =380Nos | 380 | 2.00 | 1.50 | 1.58 | 1801.20 | |
| | 1/.15 | 10 | 2.00 | 57.00 | 0.89 | 1014.60 | |
| | **For Wall** | | | | | | |
| | Main bar @16mm dia 150mmC/c | 380 | 3.40 | 1.58 | | 2041.36 | |

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Consultant

Asst. Engineer

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Asst. Executive Engineer)

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| Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|
| Main bar @12mm dia 150mmC/c | 380 | 2.75 | 0.89 | | 930.05 | |
| Distribution Bar at 12mm dia 150mm/C | | | | | | |
| 1.8/.15=12 Nos | 16 | 2.00 | 57.00 | 0.89 | 1623.36 | |
| For Coloumns Above Plinth | | | | | | |
| 8Nos 12mm dia bar | 22 | 8.00 | 2.40 | 0.89 | 375.94 | |
| Stirrups 8mm Dia bar | 22 | 16.00 | 1.20 | 0.39 | 164.74 | |
| | | | | | 68325.52 | Kgs |
| | | | | **Present Qty** | **68.33** | **Tn** |
| | | | | **Qty to be released** | **62.73** | **Tn** |
| | | | | **Qty to be reserved** | **5.59** | **Tn** |

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Consultant

Asst. Engineer

Asst. Executive Engineer

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# Widening & Comprehensive Development of Singapura Garden Road from Abbigere Main Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)

## Detailed Measurements

**Measurement Recorded On:** 8/3/2022

| Sl No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | Providing and laying of Filter media with granular materials /stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification including cost of materials, labour, HOM complete as per specifications. | | | | | | |
| | **For compound Wall** | | | | | | |
| | **Boundary Line** | 1 | 26.00 | 0.30 | | 1.50 | 11.70 |
| | | 1 | 30.00 | 0.30 | | 1.00 | 9.00 |
| | | 1 | 20.00 | 0.30 | | 1.00 | 6.00 |
| | **Backside** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.30 | | 1.70 | 15.30 |
| | Ch: 30.00m to 53.40m | 1 | 23.40 | 0.30 | | 1.60 | 11.23 |
| | Ch: 53.40m to 64.70m | 1 | 11.30 | 0.30 | | 1.60 | 5.42 |
| | **SWD to Main Road** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.30 | | 0.80 | 7.20 |
| | Ch: 30.00m to 57.00m | 1 | 27.00 | 0.30 | | 0.80 | 6.48 |
| | | | | | **Present Qty** | **72.34** | **Cum** |
| | | | | | **Limitted to** | **72.00** | **Cum** |

Consultant

Asst.Engineer

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Asst. Executive Engineer

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# dening & Comprehensive Development of Singapura Garden Road from Abbigere Main Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)

## Detailed Measurements

**surement Recorded On:** 30/6/2022

| n | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. | | | | | | |
| | **Singapura Garden Road** | | | | | | |
| | **Asphalt Road** | | | | | | |
| | **From SWD to Srinikethan Layout** | | | | | | |
| | Ch: 0.00m to 17.20m | 0.5 | 17.20 | 12.00 | 12.00 | 0.20 | 20.64 |
| | Ch:17.20m to 47.20m | 1 | 30.00 | 12.00 | 10.90 | 0.20 | 68.70 |
| | Ch:47.20m to 72.50m | 1 | 25.30 | 10.90 | 10.90 | 0.20 | 55.15 |
| | Ch: 72.50m to 102.50m | 1 | 30.00 | 9.60 | 10.60 | 0.20 | 60.60 |
| | Ch: 102.50m to 132.50m | 1 | 30.00 | 10.60 | 9.90 | 0.20 | 61.50 |
| | Ch: 132.50m to 162.50m | 1 | 30.00 | 9.90 | 10.50 | 0.20 | 61.20 |
| | Ch: 162.50m to 192.50m | 1 | 30.00 | 10.50 | 10.20 | 0.20 | 62.10 |
| | Ch:192.50m to 222.50m | 1 | 30.00 | 10.20 | 10.60 | 0.20 | 62.40 |
| | Ch: 222.50m to 252.50m | 1 | 30.00 | 10.60 | 10.80 | 0.20 | 64.20 |
| | Ch: 252.50m to 256.70m | 1 | 4.20 | 10.80 | 10.90 | 0.20 | 9.11 |
| | Ch: 256.70m to 286.70m | 1 | 30.00 | 12.60 | 12.60 | 0.20 | 75.60 |
| | Ch: 286.70m to 301.90m | 1 | 15.20 | 12.60 | 12.60 | 0.20 | 38.30 |
| | Ch: 301.90m to 322.60m | 1 | 20.70 | 7.80 | 7.80 | 0.20 | 32.29 |
| | **Continued** | | | | | | |
| | Ch: 322.60m to 352.60m | 1 | 30.00 | 8.10 | 7.00 | 0.20 | 45.30 |
| | Ch: 352.60m to 382.60m | 1 | 30.00 | 7.00 | 6.50 | 0.20 | 40.50 |
| | Ch: 382.60m to 412.60m | 1 | 30.00 | 6.50 | 5.80 | 0.20 | 36.90 |
| | Ch: 412.60m to 442.60m | 1 | 30.00 | 5.70 | 5.30 | 0.20 | 33.00 |
| | Ch: 442.60m to 447.70m | 1 | 5.10 | 5.30 | 6.40 | 0.20 | 5.97 |
| | **3rd B cross** | | | | | | |
| | Ch: 0.00m to 2.40m | 0 | 2.40 | 9.20 | 8.55 | 0.20 | 0.00 |
| | Ch: 2.40m to 6.40m | 1 | 4.00 | 8.50 | 9.80 | 9.15 | 0.20 | 7.32 |
| | **1st cross** | | | | | | |
| | Ch: 0.00m to 3.00m | 0 | 3.00 | 8.20 | 5.90 | 7.05 | 0.20 | 0.00 |
| | Ch: 3.00m to 33.00m | 1 | 30.00 | 5.90 | 5.30 | 5.60 | 0.20 | 33.60 |
| | Ch: 33.00m to 63.00m | 1 | 30.00 | 5.30 | 5.20 | 5.25 | 0.20 | 31.50 |
| | Ch: 63.00m to 77.80m | 1 | 14.80 | 5.20 | 4.90 | 5.05 | 0.20 | 14.95 |
| | **SWD TO Main Road** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 9.80 | 9.70 | 9.75 | 0.20 | 58.50 |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 9.70 | 9.70 | 9.70 | 0.20 | 58.20 |

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Consultant

Asst.Engineer

Asst. Executive Engineer

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| n | Discription of Item | No | Length | Breadth | | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Ch: 60.00m to 90.00m | 1 | 30.00 | 9.70 | 9.60 | 9.65 | 0.20 | 57.90 | |
| | Ch: 90.00m to 120.00m | 1 | 30.00 | 9.60 | 9.70 | 9.65 | 0.20 | 57.90 | |
| | **3rd B cross** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 5.70 | 5.30 | 5.50 | 0.20 | 33.00 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 5.30 | 5.60 | 5.45 | 0.20 | 32.70 | |
| | Ch: 60.00m to 20.10m | 1 | 20.10 | 5.60 | 5.60 | 5.60 | 0.20 | 22.51 | |
| | **3rd A cross** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 6.10 | 6.00 | 6.05 | 0.20 | 36.30 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 6.00 | 5.60 | 5.80 | 0.20 | 34.80 | |
| | Ch: 60.00m to 90.00m | 1 | 30.00 | 5.60 | 6.50 | 6.05 | 0.20 | 36.30 | |
| | Ch: 90.00m to 104.50m | 1 | 14.50 | 6.50 | 6.20 | 6.35 | 0.20 | 18.42 | |
| | **3rd Main** | | | | | | | | |
| | Ch: 0.00m to 21.30m | 1 | 21.30 | 6.10 | 5.80 | 5.95 | 0.20 | 25.35 | |
| | **4th Main** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 6.10 | 6.00 | 6.05 | 0.20 | 36.30 | |
| | Ch: 30.00m to 45.20m | 1 | 15.20 | 6.00 | 6.20 | 6.10 | 0.20 | 18.54 | |
| | **4th cross** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 6.00 | 5.80 | 5.90 | 0.20 | 35.40 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 5.80 | 5.30 | 5.58 | 0.20 | 33.30 | |
| | Ch: 60.00m to 90.00m | 1 | 30.00 | 5.30 | 5.30 | 5.30 | 0.20 | 31.80 | |
| | Ch: 90.00m to 100.00m | 1 | 10.00 | 5.30 | 5.80 | 5.55 | 0.20 | 11.10 | |
| | **5th cross** | | | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 5.90 | 5.70 | 5.80 | 0.20 | 34.80 | |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 5.70 | 5.30 | 5.50 | 0.20 | 33.00 | |
| | Ch: 60.00m to 90.00m | 1 | 30.00 | 5.30 | 5.30 | 5.30 | 0.20 | 31.80 | |
| | Ch: 90.00m to 99.00m | 1 | 9.00 | 5.30 | 5.60 | 5.45 | 0.20 | 9.81 | |
| | **CC Adjacent to SWD** | | | | | | | | |
| | Ch: 0.00m to 3.00m | 0.5 | 3.00 | 0.00 | 2.10 | 1.05 | 0.20 | 0.32 | |
| | Ch: 3.00m to 33.00m | 1 | 30.00 | 2.10 | 1.85 | 1.98 | 0.20 | 11.85 | |
| | Ch: 33.00m to 48.80m | 1 | 15.80 | 1.85 | 1.55 | 1.70 | 0.20 | 5.37 | |
| | | | | | | | **Present Qty** | **1686.10** | **Cum** |
| | | | | | | | **Qty to be released** | **1382.45** | **Cum** |
| | | | | | | | **Qty to be reserved** | **303.65** | **Cum** |

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Consultant

Asst.Engineer

Asst. Executive Engineer

Scanned with OKEN Scanner

# Widening & Comprehensive Development of Singapura Garden Road from Abbigere Main Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)

## Detailed Measurements

**Measurement Recorded On:** 27/7/2022

| Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|
| KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 | | | | | | | |
| **Singapura Garden Road** | | | | | | | |
| **Asphalt Road** | | | | | | | |
| **From SWD to Srinikethan Layout** | | | | | | | |
| Ch: 0.00m to 17.20m | 0.5 | 17.20 | 12.00 | 12.00 | 12.00 | 0.25 | 25.80 |
| Ch:17.20m to 47.20m | 1 | 30.00 | 12.00 | 10.90 | 11.45 | 0.25 | 85.88 |
| Ch:47.20m to 72.50m | 1 | 25.30 | 10.90 | 10.90 | 10.90 | 0.25 | 68.94 |
| Ch: 72.50m to 102.50m | 1 | 30.00 | 9.60 | 10.60 | 10.10 | 0.25 | 75.75 |
| Ch: 102.50m to 132.50m | 1 | 30.00 | 10.60 | 9.90 | 10.25 | 0.25 | 76.88 |
| Ch: 132.50m to 162.50m | 1 | 30.00 | 9.90 | 10.50 | 10.20 | 0.25 | 76.50 |
| Ch: 162.50m to 192.50m | 1 | 30.00 | 10.50 | 10.20 | 10.35 | 0.25 | 77.63 |
| Ch:192.50m to 222.50m | 1 | 30.00 | 10.20 | 10.60 | 10.40 | 0.25 | 78.00 |
| Ch: 222.50m to 252.50m | 1 | 30.00 | 10.60 | 10.80 | 10.70 | 0.25 | 80.25 |
| Ch: 252.50m to 256.70m | 1 | 4.20 | 10.80 | 10.90 | 10.85 | 0.25 | 11.39 |
| Ch: 256.70m to 286.70m | 1 | 30.00 | 12.60 | 12.60 | 12.60 | 0.25 | 94.50 |
| Ch: 286.70m to 301.90m | 1 | 15.20 | 12.60 | 12.60 | 12.60 | 0.25 | 47.88 |
| Ch: 301.90m to 322.60m | 1 | 20.70 | 7.80 | 7.80 | 7.80 | 0.25 | 40.37 |
| **Continued** | | | | | | | |
| Ch: 322.60m to 352.60m | 1 | 30.00 | 8.10 | 7.00 | 7.55 | 0.25 | 56.63 |
| Ch: 352.60m to 382.60m | 1 | 30.00 | 7.00 | 6.50 | 6.75 | 0.25 | 50.63 |
| Ch: 382.60m to 412.60m | 1 | 30.00 | 6.50 | 5.80 | 6.15 | 0.25 | 46.13 |
| Ch: 412.60m to 442.60m | 1 | 30.00 | 5.70 | 5.30 | 5.50 | 0.25 | 41.25 |
| Ch: 442.60m to 447.70m | 1 | 5.10 | 5.30 | 6.40 | 5.85 | 0.25 | 7.46 |
| **3rd B cross** | | | | | | | |
| Ch: 0.00m to 2.40m | 0 | 2.40 | 9.20 | 8.55 | 8.88 | 0.25 | 0.00 |
| Ch: 2.40m to 6.40m | 1 | 4.00 | 8.50 | 9.80 | 9.15 | 0.25 | 9.15 |
| **1st cross** | | | | | | | |
| Ch: 0.00m to 3.00m | 0 | 3.00 | 8.20 | 5.90 | 7.05 | 0.25 | 0.00 |
| Ch: 3.00m to 33.00m | 1 | 30.00 | 5.90 | 5.30 | 5.60 | 0.25 | 42.00 |
| Ch: 33.00m to 63.00m | 1 | 30.00 | 5.30 | 5.20 | 5.25 | 0.25 | 39.38 |
| Ch: 63.00m to 77.80m | 1 | 14.80 | 5.20 | 4.90 | 5.05 | 0.25 | 18.69 |
| **3rd B cross** | | | | | | | |
| Ch: 0.00m to 30.00m | 1 | 30.00 | 5.70 | 5.30 | 5.50 | 0.25 | 41.25 |
| Ch: 30.00m to 60.00m | 1 | 30.00 | 5.30 | 5.60 | 5.45 | 0.25 | 40.88 |
| Ch: 60.00m to 20.10m | 1 | 20.10 | 5.60 | 5.60 | 5.60 | 0.25 | 28.14 |

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Consultant

Asst. Engineer

Asst. Executive Engineer

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| Discription of Item | No | Length | Breadth | | | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| **3rd A cross** | | | | | | | | |
| Ch: 0.00m to 30.00m | 1 | 30.00 | 6.10 | 6.00 | 6.05 | 0.25 | 45.38 | |
| Ch: 30.00m to 60.00m | 1 | 30.00 | 6.00 | 5.60 | 5.80 | 0.25 | 43.50 | |
| Ch: 60.00m to 90.00m | 1 | 30.00 | 5.60 | 6.50 | 6.05 | 0.25 | 45.38 | |
| Ch: 90.00m to 104.50m | 1 | 14.50 | 6.50 | 6.20 | 6.35 | 0.25 | 23.02 | |
| **3rd Main** | | | | | | | | |
| Ch: 0.00m to 21.30m | 1 | 21.30 | 6.10 | 5.80 | 5.95 | 0.25 | 31.68 | |
| **4th Main** | | | | | | | | |
| Ch: 0.00m to 30.00m | 1 | 30.00 | 6.10 | 6.00 | 6.05 | 0.25 | 45.38 | |
| Ch: 30.00m to 45.20m | 1 | 15.20 | 6.00 | 6.20 | 6.10 | 0.25 | 23.18 | |
| **4th cross** | | | | | | | | |
| Ch: 0.00m to 30.00m | 1 | 30.00 | 6.00 | 5.80 | 5.90 | 0.25 | 44.25 | |
| Ch: 30.00m to 60.00m | 1 | 30.00 | 5.80 | 5.30 | 5.55 | 0.25 | 41.63 | |
| Ch: 60.00m to 90.00m | 1 | 30.00 | 5.30 | 5.30 | 5.30 | 0.25 | 39.75 | |
| Ch: 90.00m to 100.00m | 1 | 10.00 | 5.30 | 5.80 | 5.55 | 0.25 | 13.88 | |
| **5th cross** | | | | | | | | |
| Ch: 0.00m to 30.00m | 1 | 30.00 | 5.90 | 5.70 | 5.80 | 0.25 | 43.50 | |
| Ch: 30.00m to 60.00m | 1 | 30.00 | 5.70 | 5.30 | 5.50 | 0.25 | 41.25 | |
| Ch: 60.00m to 90.00m | 1 | 30.00 | 5.30 | 5.30 | 5.30 | 0.25 | 39.75 | |
| Ch: 90.00m to 99.00m | 1 | 9.00 | 5.30 | 5.60 | 5.45 | 0.25 | 12.26 | |
| **SWD TO Main Road** | | | | | | | | |
| Ch: 0.00m to 30.00m | 1 | 30.00 | 9.80 | 9.70 | 9.75 | 0.25 | 73.13 | |
| Ch: 30.00m to 60.00m | 1 | 30.00 | 9.70 | 9.70 | 9.70 | 0.25 | 72.75 | |
| Ch: 60.00m to 90.00m | 1 | 30.00 | 9.70 | 9.60 | 9.65 | 0.25 | 72.38 | |
| Ch: 90.00m to 120.00m | 1 | 30.00 | 9.60 | 9.70 | 9.65 | 0.25 | 72.38 | |
| **Front of Transfer point** | | | | | | | | |
| Ch: 18.50m to 48.50m | 1 | 30.00 | 15.20 | 15.00 | 15.10 | 0.25 | 113.25 | |
| Ch: 48.50m to 78.50m | 1 | 30.00 | 15.00 | 14.80 | 14.90 | 0.25 | 111.75 | |
| Ch: 78.50m to 108.50m | 1 | 30.00 | 14.80 | 15.20 | 15.00 | 0.25 | 112.50 | |
| Ch: 108.50m to 109.20m | 1 | 0.70 | 15.20 | 15.70 | 15.45 | 0.25 | 2.70 | |
| | | | | | | **Present Qty** | **2425.91** | **Cum** |
| | | | | | | **Qty to be reserved** | **2293.75** | **Cum** |
| | | | | | | **Qty to be reserved** | **132.16** | **Cum** |

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Consultant

Asst. Engineer

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Asst. Executive Engineer
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**Widening & Comprehensive Development of Singapura Garden Road from Abbigere Main Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)**

## Detailed Measurements

**Measurement Recorded On:** 26/3/2022

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 31 | KSRB 5.2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 KSRB 5.2-3 : - do - cement mortar 1:6 KBS 5.1.13 | | | | | | |
| | **Singapura Garden Road** | | | | | | |
| | **Compound Wall - SSM stage 1** | | | | | | |
| | **From SWD LHS** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.60 | 2.40 | 43.20 | |
| | Ch: 30.00m to 48.80m | 1 | 18.80 | 0.60 | 2.40 | 27.07 | |
| | Ch: 30.00m to 78.80m | 1 | 30.00 | 0.60 | 1.80 | 32.40 | |
| | Ch: 30.00m to 108.60m | 1 | 29.80 | 0.60 | 1.40 | 25.03 | |
| | **Compound Wall - SSM stage 1** | | | | | | |
| | **From SWD LHS** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.45 | 0.45 | 6.08 | |
| | Ch: 30.00m to 48.80m | 1 | 18.80 | 0.45 | 0.45 | 3.81 | |
| | Ch: 30.00m to 78.80m | 1 | 30.00 | 0.45 | 0.45 | 6.08 | |
| | Ch: 30.00m to 108.60m | 1 | 29.80 | 0.45 | 0.45 | 6.03 | |
| | **Compound Wall - SSM stage 1** | | | | | | |
| | **SWD to Main Road** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.60 | 0.60 | 10.80 | |
| | Ch: 30.00m to 57.00m | 1 | 27.00 | 0.60 | 0.60 | 9.72 | |
| | **Compound Wall - SSM stage 1** | | | | | | |
| | **SWD to Main Road** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 0.45 | 0.45 | 6.08 | |
| | Ch: 30.00m to 57.00m | 1 | 27.00 | 0.45 | 0.45 | 5.47 | |
| | **Deduct Compound Pillars** | | | | | | |
| | Road Side | -70 | 0.45 | 0.60 | 1.20 | -22.68 | |
| | **SWD to Main Road** | -27 | 0.45 | 0.60 | 0.60 | -4.37 | |
| | Road Side | -70 | 0.45 | 0.45 | 0.45 | -6.38 | |
| | **SWD to Main Road** | -27 | 0.45 | 0.45 | 0.45 | -2.46 | |
| | | | | | **Present Qty** | **145.86** | **Cum** |
| | | | | | **Qty to be released** | **58.35** 58.09 | **Cum** |
| | | | | | **Qty to be reserved** | **87.51** 87.86 | **Cum** |

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Infratech Pvt. Ltd. Consultant

Asst.Engineer

Asst. Executive Engineer

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# Widening & Comprehensive Development of Singapura Garden Road from Abbigere Main Road (Precision Components Factory) to Shrinikethan Layout (BDA Layout)

## Detailed Measurements

**Measurement Recorded On:** 27/6/2022

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 38 | KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. MORTH I Chapter 3 | | | | | | |
| | **Singapura Garden Road** | | | | | | |
| | **Asphalt Road** | | | | | | |
| | **From SWD to Srinikethan Layout** | | | | | | |
| | Ch: 0.00m to 17.20m | 0.5 | 17.20 | 12.00 | 12.00 | 12.00 | 103.20 |
| | Ch:17.20m to 47.20m | 1 | 30.00 | 12.00 | 10.90 | 11.45 | 343.50 |
| | Ch:47.20m to 72.50m | 1 | 25.30 | 10.90 | 10.90 | 10.90 | 275.77 |
| | Ch: 72.50m to 102.50m | 1 | 30.00 | 9.60 | 10.60 | 10.10 | 303.00 |
| | Ch: 102.50m to 132.50m | 1 | 30.00 | 10.60 | 9.90 | 10.25 | 307.50 |
| | Ch: 132.50m to 162.50m | 1 | 30.00 | 9.90 | 10.50 | 10.20 | 306.00 |
| | Ch: 162.50m to 192.50m | 1 | 30.00 | 10.50 | 10.20 | 10.35 | 310.50 |
| | Ch:192.50m to 222.50m | 1 | 30.00 | 10.20 | 10.60 | 10.40 | 312.00 |
| | Ch: 222.50m to 252.50m | 1 | 30.00 | 10.60 | 10.80 | 10.70 | 321.00 |
| | Ch: 252.50m to 256.70m | 1 | 4.20 | 10.80 | 10.90 | 10.85 | 45.57 |
| | Ch: 256.70m to 286.70m | 1 | 30.00 | 12.60 | 12.60 | 12.60 | 378.00 |
| | Ch: 286.70m to 301.90m | 1 | 15.20 | 12.60 | 12.60 | 12.60 | 191.52 |
| | Ch: 301.90m to 322.60m | 1 | 20.70 | 7.80 | 7.80 | 7.80 | 161.46 |
| | **Continued** | | | | | | |
| | Ch: 322.60m to 352.60m | 1 | 30.00 | 8.10 | 7.00 | 7.55 | 226.50 |
| | Ch: 352.60m to 382.60m | 1 | 30.00 | 7.00 | 6.50 | 6.75 | 202.50 |
| | Ch: 382.60m to 412.60m | 1 | 30.00 | 6.50 | 5.80 | 6.15 | 184.50 |
| | Ch: 412.60m to 442.60m | 1 | 30.00 | 5.70 | 5.30 | 5.50 | 165.00 |
| | Ch: 442.60m to 447.70m | 1 | 5.10 | 5.30 | 6.40 | 5.85 | 29.84 |
| | **3rd B cross** | | | | | | |
| | Ch: 0.00m to 2.40m | 0 | 2.40 | 9.20 | 8.55 | 8.88 | 0.00 |
| | Ch: 2.40m to 6.40m | 1 | 4.00 | 8.50 | 9.80 | 9.15 | 36.60 |
| | **1st cross** | | | | | | |
| | Ch: 0.00m to 3.00m | 0 | 3.00 | 8.20 | 5.90 | 7.05 | 0.00 |
| | Ch: 3.00m to 33.00m | 1 | 30.00 | 5.90 | 5.30 | 5.60 | 168.00 |
| | Ch: 33.00m to 63.00m | 1 | 30.00 | 5.30 | 5.20 | 5.25 | 157.50 |
| | Ch: 63.00m to 77.80m | 1 | 14.80 | 5.20 | 4.90 | 5.05 | 74.74 |
| | **SWD TO Main Road** | | | | | | |
| | Ch: 0.00m to 30.00m | 1 | 30.00 | 9.80 | 9.70 | 9.75 | 292.50 |
| | Ch: 30.00m to 60.00m | 1 | 30.00 | 9.70 | 9.70 | 9.70 | 291.00 |
| | Ch: 60.00m to 90.00m | 1 | 30.00 | 9.70 | 9.60 | 9.65 | 289.50 |
| | Ch: 90.00m to 120.00m | 1 | 30.00 | 9.60 | 9.70 | 9.65 | 289.50 |
| | **3rd B cross** | | | | | | |

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Consultant

Asst. Engineer

Asst. Executive Engineer

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